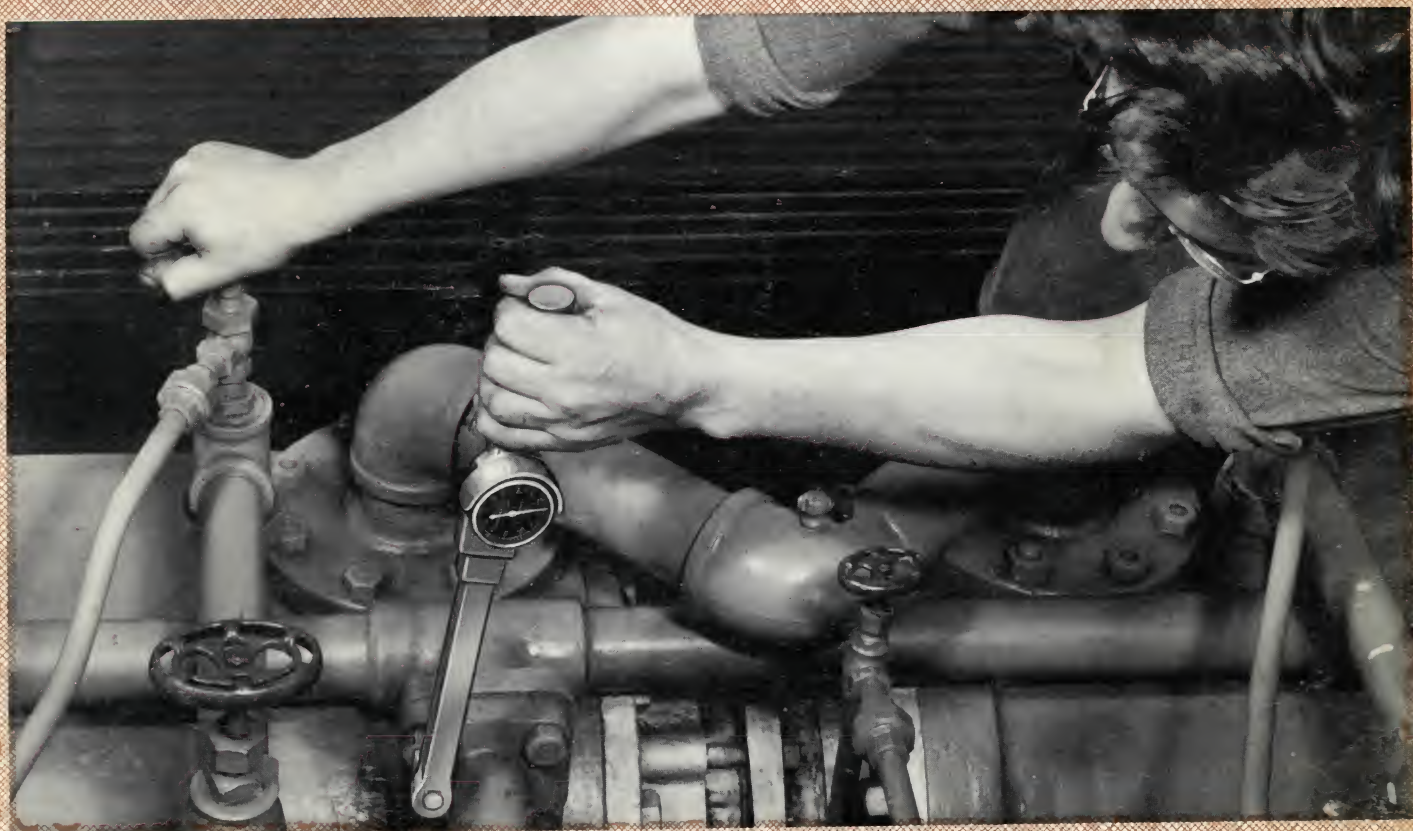


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**APCO MOSSBERG COMPANY**

ATTLEBORO, MASSACHUSETTS — U.S.A.

*Less 50%*

APCO MOSSBERG TORQUE TOOLS - APCO MOSSBERG



# DIAL TYPE

Dial indicator type is used on Torque range requirements above 100 inch pounds and particularly on ranges above 100 foot pounds because the wrench is lighter and the length of the handle arc in operation is far less than on the quadrant type. Square drive is reversible, to enable operator to read up or down.



0-100 inch pounds DI-100  
0-250 inch pounds DI-250



DI-600 (0-600 inch pounds), DF-50 (0-50 foot pounds),  
DI-1200 (0-1200 inch pounds),  
DF-100 (0-100 foot pounds).



DI-1800 (0-1800 inch pounds), DF-150 (0-150 foot pounds),  
DF-175 (0-175 foot pounds), DI-2400 (0-2400 inch pounds),  
DF-200 (0-200 foot pounds).

## PATENT NUMBERS

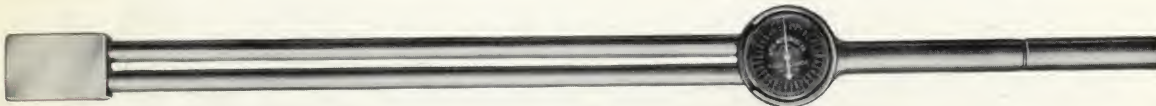
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DF-250 (0-250 foot pounds), DI-3600 (0-3600 inch pounds), DF-300  
(0-300 foot pounds), DI-5000 (0-5000 inch pounds), DF-425 (0-425  
foot pounds).



DF-600 (0-600 foot pounds), DF-1000 (0-1000 foot pounds)



TDF-600 2 man 0-600 foot pounds



DF-2000 (0-2000 foot pounds)

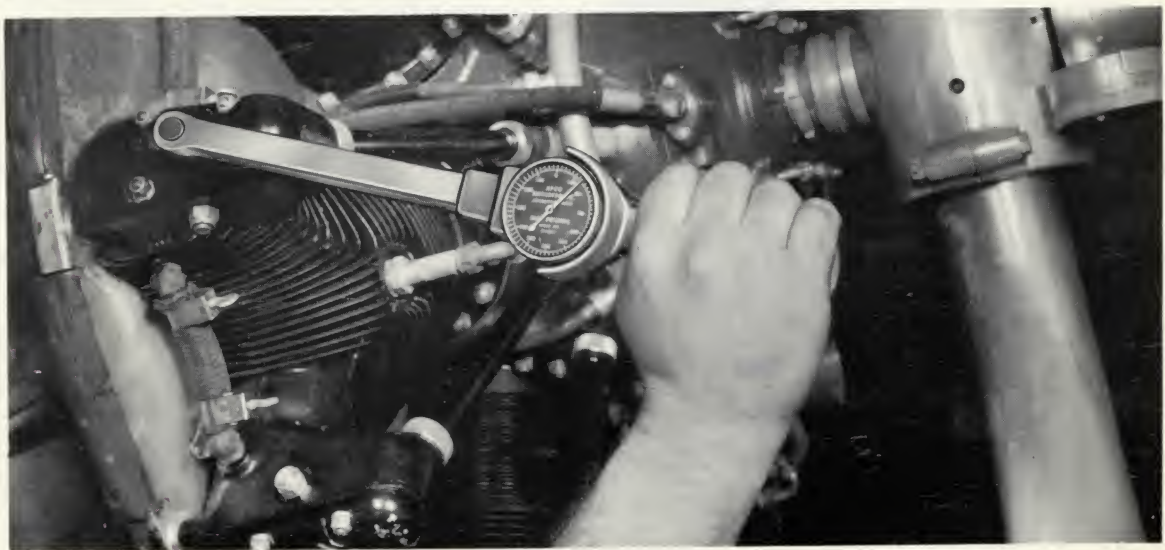
**APCO MOSSBERG COMPANY**

ATTLEBORO, MASS., U.S.A.



## INCH POUNDS

Catalog No.	Range	Graduation Steps	Sq. Drive	Weight	Length	List Price
DI-100	20-100	1 inch lb.	¼ or ⅜ in.	12 ozs.	10 <sup>3</sup> / <sub>8</sub> "	\$30.00
DI-250	0-250	5 inch lbs.	½ inch	1 lb.	12 <sup>1</sup> / <sub>2</sub> "	30.00
DI-300	0-300	5 inch lbs.	½ inch	1 lb.	11"	30.00
DI-600	0-600	20 inch lbs.	½ inch	1¼ lbs.	12 <sup>3</sup> / <sub>4</sub> "	30.00
DI-1200	0-1200	50 inch lbs.	½ inch	1½ lbs.	15 <sup>3</sup> / <sub>4</sub> "	30.00
DI-1800	0-1800	50 inch lbs.	½ inch	1½ lbs.	15 <sup>3</sup> / <sub>4</sub> "	32.00
DI-2400	0-2400	50 inch lbs.	½ inch	3 lbs.	19"	32.00
DI-3600	0-3600	100 inch lbs.	¾ inch	4¾ lbs.	35 <sup>1</sup> / <sub>4</sub> "	68.00
DI-5000	0-5000	100 inch lbs.	¾ inch	9 lbs.	28 <sup>1</sup> / <sub>2</sub> "	125.00



## FOOT LBS.

Catalog No.	Range	Graduation Steps	Sq. Drive	Weight	Length	List Price
DF-25	0-25	1 ft. lb.	½ in.	1 lb.	11"	\$30.00
DF-50	0-50	1 ft. lb.	½ inch	1¼ lbs.	12 <sup>3</sup> / <sub>4</sub> "	\$30.00
DF-100	0-100	5 ft. lbs.	½ inch	1½ lbs.	15 <sup>3</sup> / <sub>4</sub> "	30.00
DF-150	0-150	5 ft. lbs.	½ inch	1¾ lbs.	15 <sup>3</sup> / <sub>4</sub> "	32.00
DF-175	0-175	5 ft. lbs.	½ inch	1¾ lbs.	15 <sup>3</sup> / <sub>4</sub> "	32.00
DF-200	0-200	5 ft. lbs.	½ inch	3 lbs.	19"	32.00
DF-250	0-250	5 ft. lbs.	¾ inch	4¾ lbs.	26 <sup>3</sup> / <sub>4</sub> "	40.00
DF-300	0-300	5 ft. lbs.	¾ inch	4¾ lbs.	28 <sup>1</sup> / <sub>2</sub> "	68.00
DF-425	0-425	5 ft. lbs.	¾ inch	9 lbs.	35 <sup>1</sup> / <sub>4</sub> "	125.00
DF-600	0-600	10 ft. lbs.	¾ inch	11 lbs. 3 ozs.	42 <sup>3</sup> / <sub>8</sub> "	125.00
DF-1000	0-1000	50 ft. lbs.	1 inch	21 lbs.	50 <sup>1</sup> / <sub>4</sub> "	125.00
DF-2000	1-2000	50 ft. lbs.	1 inch	47 lbs.	98"	175.00

## 2 MAN TYPE

TDF-600	0-600	10 ft. lbs.	¾ inch	9 lbs.	51"	\$150.00
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# QUADRANT

METAL  
SCALE

# TYPE

Quadrant or metal scale type is accurate to within  $2\frac{1}{2}\%$  of each dial reading on all Wrenches under 60 inch pounds and within 5% over 60 inch pounds.

Quadrant type is used because of lightness in weight in measuring low range torque requirements.

**0-280 inch grams  
and 0-30 inch ounces**



PATENT NUMBERS

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**0-100 INCH OUNCES**

Generally used for Radio, Communications, Carburetors and Precision Instruments.



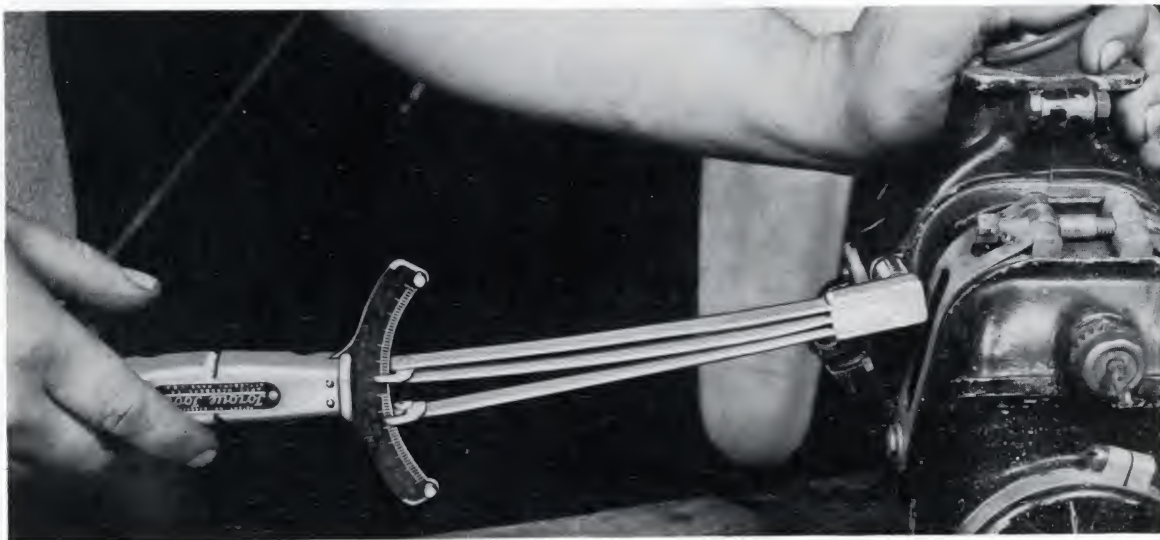
**0-15, 0-30, 0-60, 0-100, 0-250 INCH POUNDS**

Especially adapted to all light assembly, Electrical Work and Lubricating Lines.

**APCO MOSSBERG COMPANY**

ATTLEBORO, MASS., U.S.A.

Catalog No.	Range	Graduation Steps	Sq. Drive	Weight	Length	List Price
SG 280	0-280 in. grams	7 in. grams	¼ inch	8 oz.	9 in.	\$30.00
SO 30	0-30 in. ozs.	5 in. oz.	¼ inch	5 oz.	9 in.	30.00
SO 100	0-100 in. oz.	4 in. oz.	¼ inch	3¼ oz.	8¾ in.	15.00
SP 15	0-15 in. lbs.	1 inch lb.	¼ inch	8 oz.	12 in.	15.00
SP 30	0-30 in. lbs.	2 inch lb.	¼ inch	8½ oz.	12 in.	15.00
SP 60	0-60 in. lbs.	2 inch lb.	¼ inch	8¾ oz.	12 in.	15.00
SP 100	0-100 in. lbs.	4 inch lb.	¼ inch	11½ oz.	14¼ in.	15.00
MP 250	0-250 in. lbs.	10 inch lb.	½ inch	1 lb. 2 oz.	16 in.	15.00



Approximate Torque required to twist off screws at root diameter made of materials with a tensile strength of 100,000 lbs. per square inch. 4/5 of the Torque is a safe load.

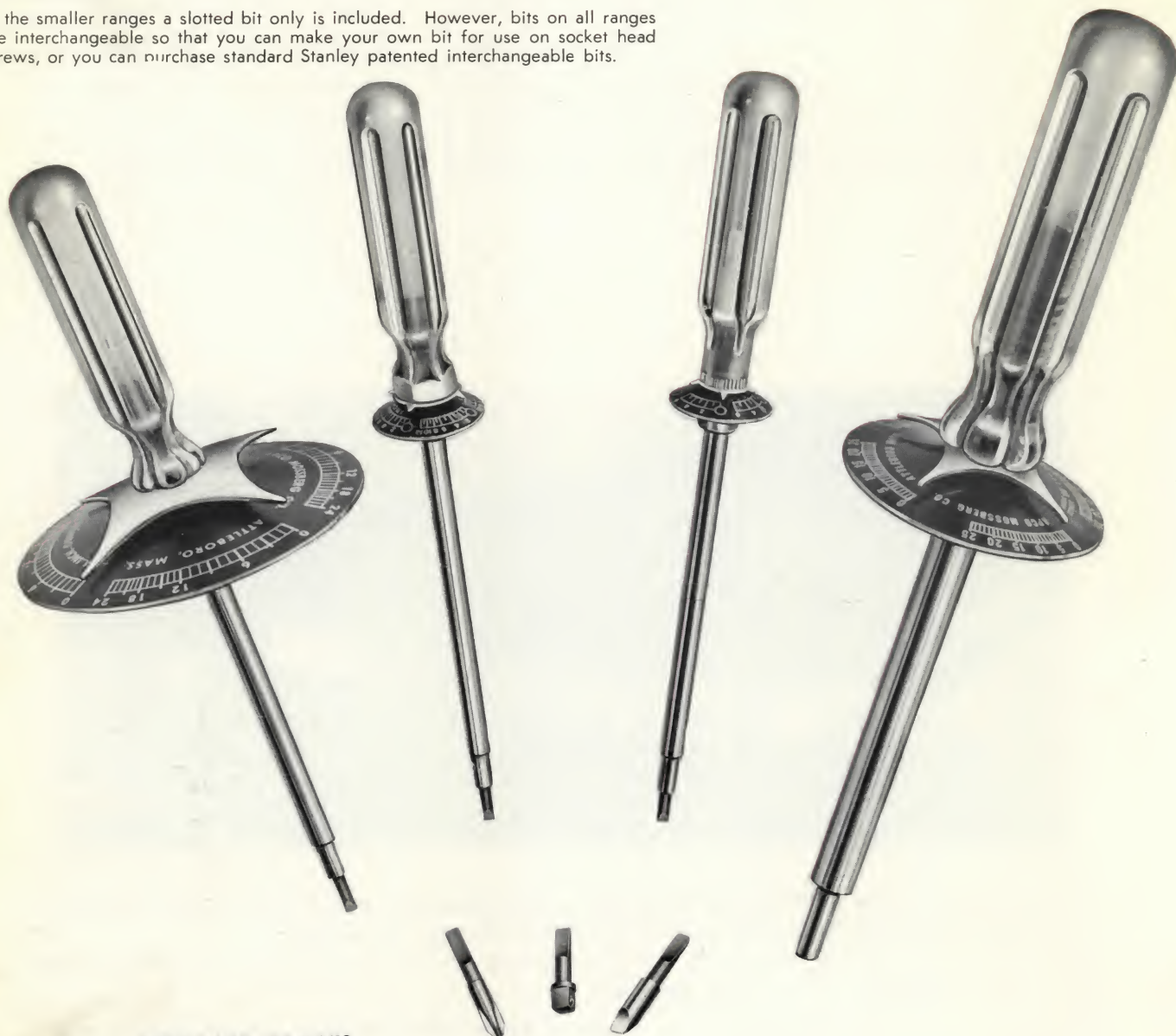
U.S.S. THREADS		S.A.E. THREADS		Steel—100,000 tensile Machine Screws	Brass—70,000 tensile Machine Screws
Screw Diameter	Inch Pounds	Screw Diameter	Inch Pounds		
¼ —20	99	¼ —28	133	No. 2-64 4½ in. lbs.	3 in. lbs.
⅜ —18	215	⅜ —24	270	No. 4-36 7 in. lbs.	5 in. lbs.
½ —16	398	½ —20	519	No. 4-40 8 in. lbs.	5½ in. lbs.
⅝ —14	649	⅝ —16	814	No. 6-32 15 in. lbs.	10½ in. lbs.
¾ —13	1004	¾ —12	1290	No. 8-32 30 in. lbs.	21 in. lbs.
⅞ —12	1468	⅞ —18	1844	No. 10-32 53 in. lbs.	37 in. lbs.
1" —11	2043	1" —16	2650	No. 12-24 70 in. lbs.	49 in. lbs.
1¼ —10	3737	1¼ —14	4695	No. 12-28 80 in. lbs.	56 in. lbs.
1½ —9	6131	1½ —12	7495		
1¾ —8	9228	1¾ —10	11699	NOTE: — For materials of any other tensile strength, the torque required to twist off screw is directly proportional to the tensile strength.  See Book on "Facts and Figures" concerning Safe Torque.	
2" —7	12981	2" —8	16495		
2¼ —7	18879	2¼ —10	23347		
2½ —6	33305	2½ —12	42289		
2¾ —5	51869				
3" —4½	78541				



# Torque Screw Driver or Vertical Torque Tool

Set consists of one torque screwdriver holder and a complement of suggested bits. In the larger ranges a slotted bit, a square drive and a Phillips bit included. (B12, B25, B80).

In the smaller ranges a slotted bit only is included. However, bits on all ranges are interchangeable so that you can make your own bit for use on socket head screws, or you can purchase standard Stanley patented interchangeable bits.



## STANDARD RANGES

### INCH GRAMS

Stock No.	Range	Dial Graduations	Measuring Direction	Dial Dia.	Weight Packed	List Price
G350	0-350" Grams	25" gr.	Right and Left	3"	8 oz.	10.00
G170	0-170" Grams	14 1/4" gr.	Right and Left	3"	8 oz.	10.00

### INCH OUNCES

Stock No.	Range	Dial Graduations	Measuring Direction	Dial Dia.	Weight Packed	List Price
A6	0-6" oz.	1/2" oz.	Right	3"	8 oz.	8.50
A6 R&L	0-6" oz.	1/2" oz.	Right and Left	3"	8 oz.	8.50
A12	0-12" oz.	1/2" oz.	Right	3"	8 oz.	8.50
A12 R&L	0-12" oz.	1/2" oz.	Right and Left	3"	8 oz.	8.50
A24	0-24" oz.	1" oz.	Right	4"	8 oz.	8.50
A24 R&L	0-24" oz.	1" oz.	Right and Left	4"	8 oz.	8.50
A48 R&L	0-48" oz.	2" oz.	Right and Left	4"	8 oz.	9.50
A96 R&L	0-96" oz.	4" oz.	Right and Left	4"	8 oz.	9.50

### INCH POUNDS

Stock No.	Range	Dial Graduations	Measuring Direction	Dial Dia.	Weight Packed	List Price
B6	0-6" lbs.	1/2" lb.	Right	3"	8 oz.	8.50
B6 R&L	0-6" lbs.	1/2" lb.	Right and Left	3"	8 oz.	8.50
B12	0-12" lbs.	1/2" lb.	Right	3"	8 oz.	8.50
B12 R&L	0-12" lbs.	1/2" lb.	Right and Left	3"	8 oz.	8.50
B25	0-25" lbs.	1" lb.	Right	3"	13 oz.	8.50
B25 L	0-25" lbs.	1" lb.	Left	3"	13 oz.	8.50
B50	0-50" lbs.	2" lbs.	Right	3"	14 oz.	10.00
B80	0-80" lbs.	5" lbs.	Right	3"	16 oz.	16.00

NOTE: All bits are removable so that special bits can be applied. All "G" and "A" numbers are furnished with one bit. All "B" numbers are furnished with one slotted bit, one recessed bit, and one square drive.

APCO MOSSBERG COMPANY



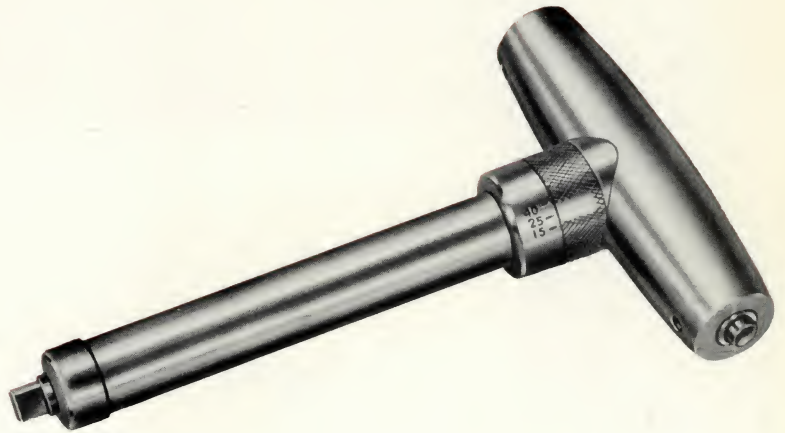
# Hose Clamp Torque Wrenches

## STOCK NO. T-40

Patented design combines 3 pre-set torque loads in one wrench. 15 inch pounds, 25 inch pounds and 40 inch pounds.

By setting dial to one of the above torque loads the wrench can be heard, felt and seen when desired torque is reached.

**\$17.00 List Price**



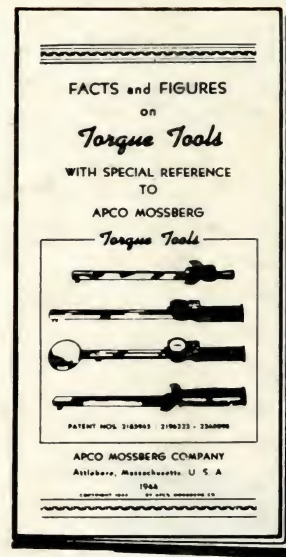
## PT15 and PT25

Pre-set at factory to one torque load. Either 15 inch pounds or 25 inch pounds. When ultimate torque is reached, wrench snaps and will not torque beyond predetermined load.

**\$10.00 List Price**



**FREE**  
**BOOKLET on TORQUE**  
**TOOL FACTS and**  
**FIGURES**



Apco Mossberg Engineers have compiled a 12 Page Booklet of tables, formulas and graphs to aid in determining relative shearing to torque machine screws, studs and nuts.

Besides presenting technical information for plant engineers, the booklet gives certain elementary definitions relative to torques, and offers recommendations for checking and maintaining Apco Mossberg torque tools.

Copies will be sent promptly on request.

**APCO MOSSBERG COMPANY**  
ATTLEBORO, MASSACHUSETTS — U.S.A.



# APCO MOSSBERG COMPANY

## Distributors Net Price List

October 15, 1955

### SPECIAL TOOLS

Stock No.	ITEM	Unit	Price Per C
748	Drain Plug Wrench.....	50	\$42.00
752	Hub Cap Remover.....	25	71.00

### RIM WRENCHES

463	Single End Brace.....	50	44.00
464	Single End Brace.....	50	44.00
470	Double End Brace.....	50	60.00
1650	4-Way 14½".....	25	53.00
1150	4-Way 16½".....	25	59.00
1250	4-Way 20".....	25	65.00
1750	4-Way 14½".....	25	60.00
1051	22" 4-Way.....	25	80.00
1050	22" 4-Way.....	25	145.00
1850	14½" 4-Way.....	50	60.00
2050	Cadmium 4-Way 16½".....	50	70.00
4050	Polished Sockets 4-Way.....	50	98.00
5050	Cadmium 4-Way, Heat Treated.....	25	115.00
6050	4-Way Truck Wrench.....	25	225.00
7050	Budd 2-Way.....	20	185.00
8050	Heavy Duty.....	20	415.00
2642	Wrench for Chev. Truck.....	25	150.00
2643	Wheel Wrench for Ford.....	25	45.00
2644	Wheel Wrench for Chrysler.....	25	45.00
2647	Two-piece Truck Wrench.....	25	145.00
2640	Brace.....	10	210.00
2641	Brace.....	10	210.00
2648	Two-piece Truck Wrench.....	10	175.00

### DOUBLE END SPARK PLUG WRENCHES

1	31/32 x 1-5/32.....	50	25.50
2	1-1/32 x 1-5/32.....	50	25.50
3	29/32 x 1-1/32.....	50	25.50
4	29/32 x 31/32.....	50	25.50
5	29/32 both ends.....	50	25.50
8	1-1/32 x 27/32.....	50	25.50
10	9/16 x 11/16.....	50	25.50
101	21/32 x 27/32.....	50	25.50
103	5/8 x 11/16.....	50	25.50

Above Spark Plug Wrenches are Bright Finish, Individually Boxed.

### SINGLE END SPARK PLUG WRENCHES

6	1-1/32 (18mm).....	50	20.50
7	27/32 (14mm).....	50	20.50
9	29/32 (18mm).....	50	20.50
102	5/8 (10mm).....	50	20.50
104	Special for Chrysler, Dodge, DeSoto.....	25	72.00

Above Spark Plug Wrenches are Bright Finish, Individually Boxed.



**TWIN HEX  
Stock No.**

**Unit Pkg.**

**Price Per C**

12	27/32 .....	50	50.00
13	29/32 .....	50	50.00
14	31/32 .....	50	50.00
15	1-1/32 .....	50	50.00
16	1-5/32 .....	50	50.00

**SPARK PLUG WRENCH SETS**

490	(5 wrenches regular line).....	10	210.00
496	(5 twin hex & 10MM).....	10	245.00
498	4 reg. wrenches in fibre box.....	10	105.00

**SPECIALTIES**

908	Speeder Brace .....	10	105.00
358	Ratchet Wrench .....	10	235.00
910	Extension Bar .....	10	65.00
905	Extension Bar .....	10	60.00
742	All purpose bicycle wrench.....	25	70.00
741	Pedal wrench .....	25	40.00

**TERMS:—2% 10 days. Net 30 days.**

All prices quoted F.O.B. our Factory, Attleboro, Mass., with a freight allowance up to \$2.00 cwt. rail freight on shipments valued at \$60. net or over.

No freight allowed on 1650, 1150, 1250.

**NOTICE**—All shipments will be made subject to prices prevailing at the time of shipment.

**NOTE.** We reserve the right to increase or decrease orders on 4-ways and spark plug wrenches to unit quantities or the equal number of assorted to the box.

Printed in U. S. A.